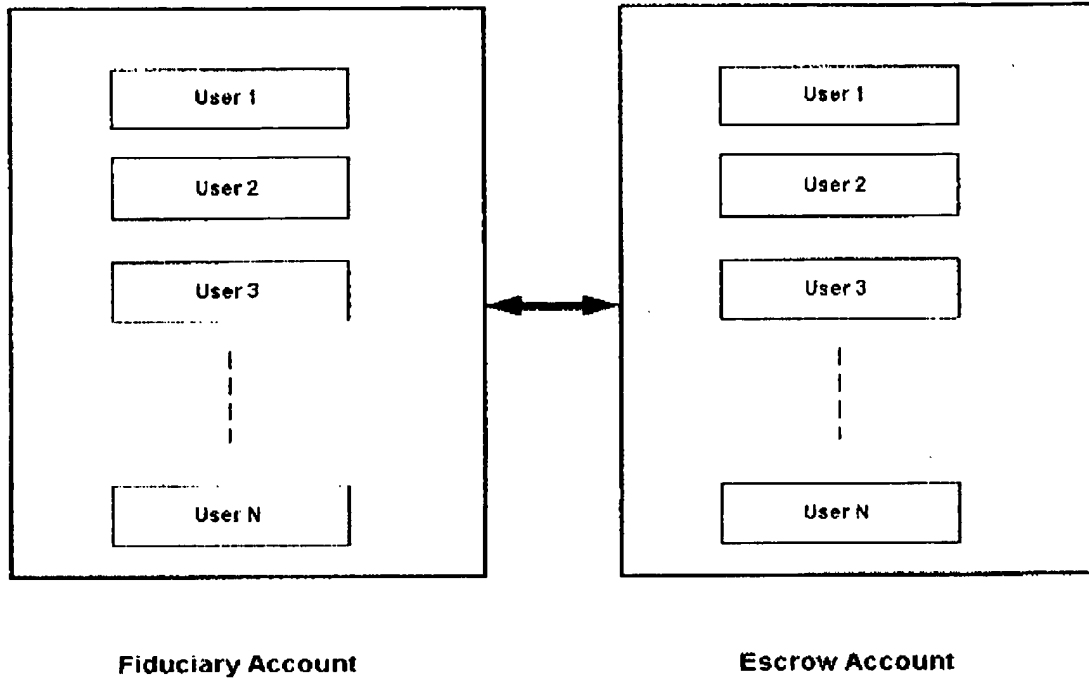


Fig 100

Legend:

User- 101; Fiduciary account- 102; Escrow account -103



Cash Management of Fixed Currency

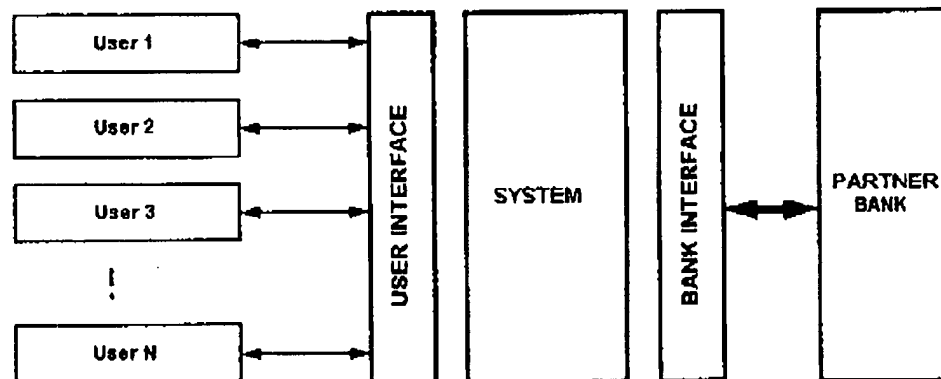
Fig.100

Fig. 200

Legend

User-201; User interface-202

Banker interface-203; System-204; Partner bank-205



Cash Management Interface

Fig 200

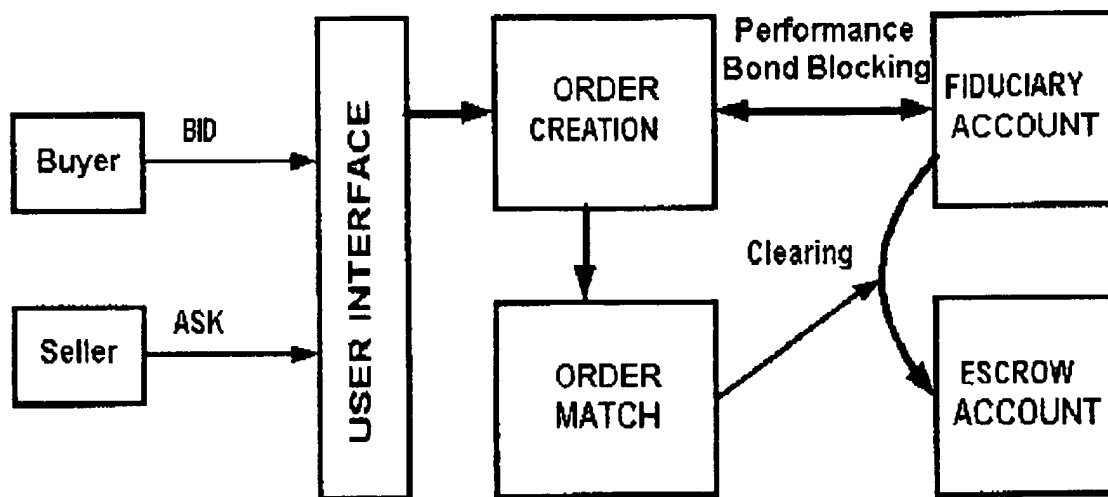
Fig.300

Legend:

Buyer bid-301; Seller ask-302; User interface-303

Order creation-304; Order match clearing- 305

Fiduciary account-306; Performance bond-307; Escrow account-308



The Matching Process

Fig. 300

Fig.350

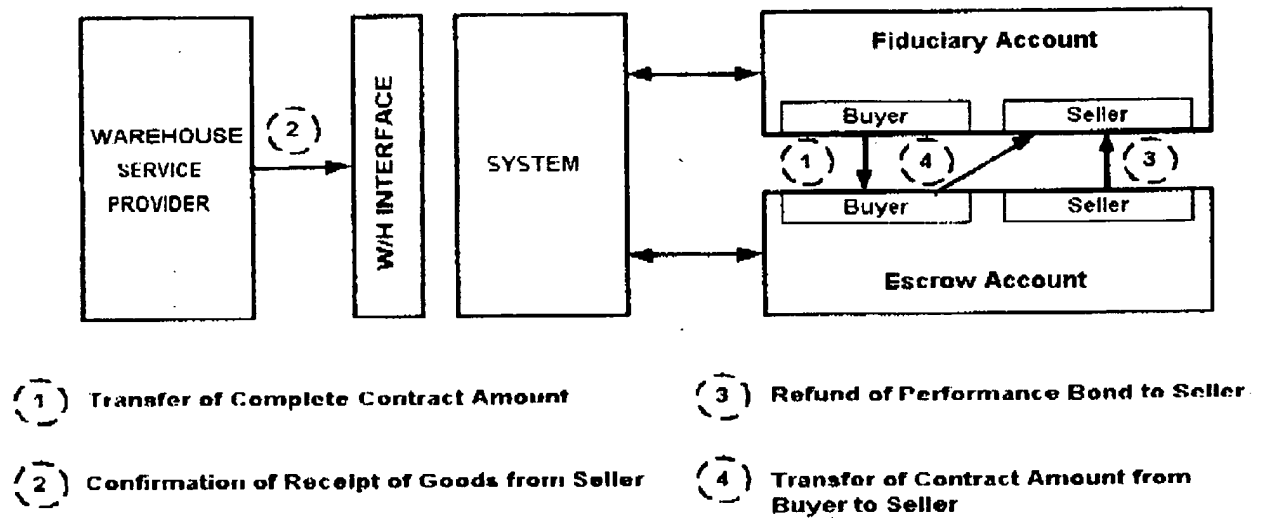
Legend:

Buyer-351 ; Seller-353

Warehouse service provider-352

Warehouse interface-304; System-305

Fiduciary account-306; Escrow account-307



Physical Delivery Settlement

Fig. 350

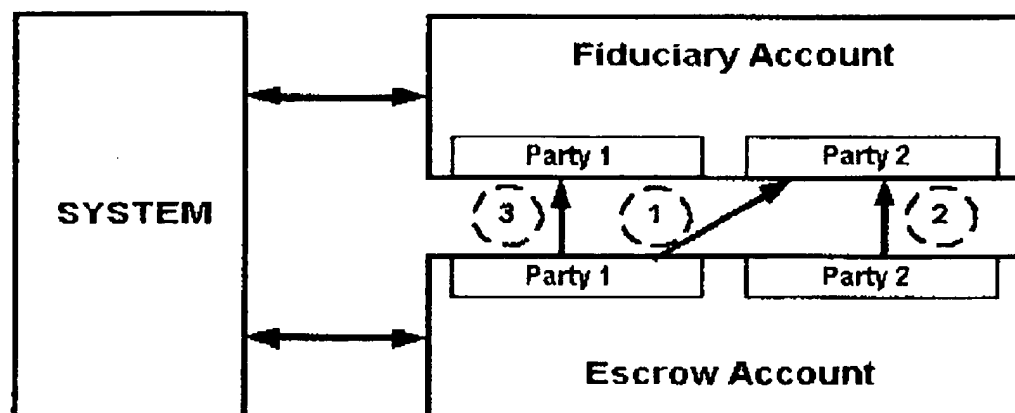
Fig. 400

Legend:

System-401

Party 1-402; Party 2-403

Fiduciary account-404; Escrow account-405



- (1) Transfer of Offset Amount from Party 1 to Party 2
- (2) Refund of Performance Bond to Party 2
- (3) Refund of Balance of Performance Bond to Party 1

Cash (Offset) Settlement

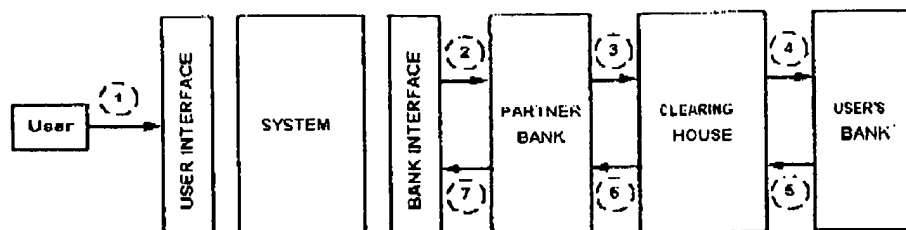
Fig.400

Fig.450

Legend:

User-451; User's bank-452; User interface-453

Partner bank-454; Bank interface-455; System-456; Clearinghouse-457



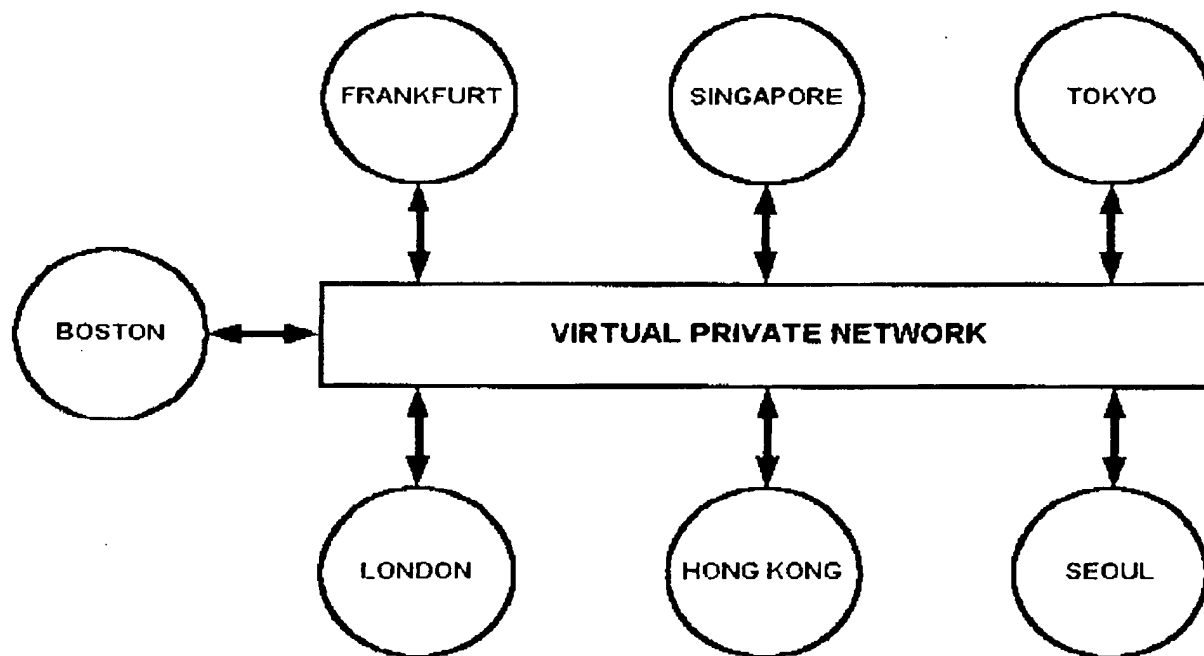
Clearing Process Between Two Nodes

Fig. 450

Fig. 500

Legend:

Virtual private network- 501

Boston-502; Frankfurt-503; London- 504; Singapore-505; Hong Kong-506; Tokyo-507;
Seoul-508

Inter-networking of Nodes

Fig. 500

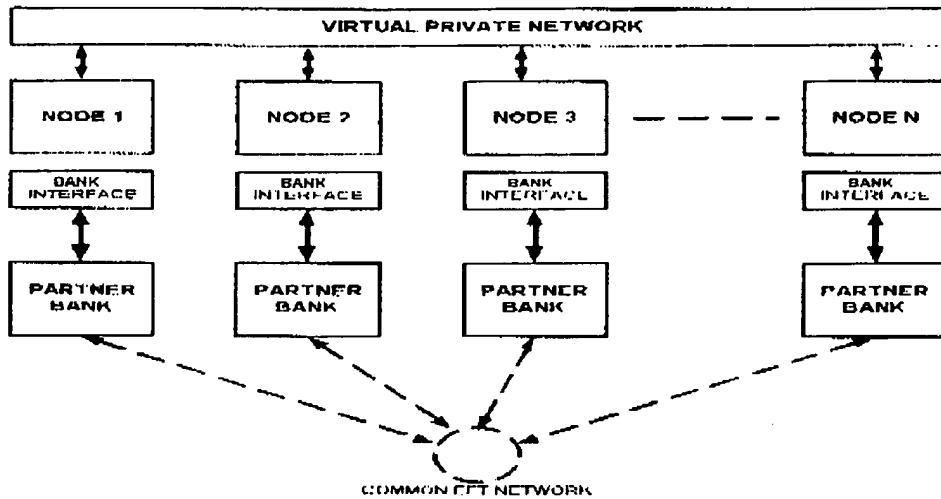
Fig. 700

Legend:

Virtual private network-701

Node 1- 702; Node 2-703; Node 3-704; Node N-705

Bank interface-706; Partner bank-707



Open Architecture Clearing

Fig. 700

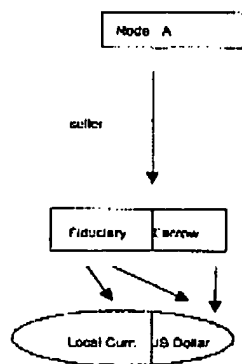
Fig.800

Legend:

Node A and Node B-801

Fiduciary 802; Escrow-803; Local currency- 804; US Dollar-805

Buyer-806; Seller-807



Node's Fund maintenance

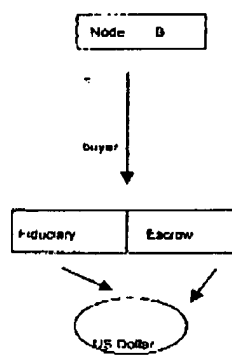
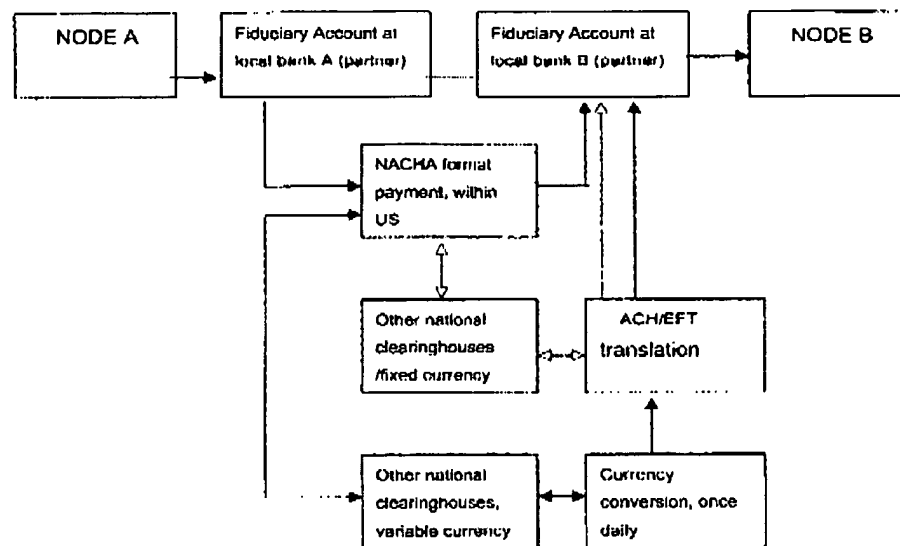


Fig.800

Fig.900

Legend: F: foreign; V: variable; ACH: automatic clearinghouse; EFT: electronic fund transfer
 NODE A-901; NODE B-903; Fiduciary account at local banks-902
 MACHA format-904; Other national clearinghouse fixed/variable currency-905;
 ACH/EFT- 906; Currency conversion, daily;-907



- 1) ACH payments in the US
- 2) ACH /other EFT payments translation, F-F currencies
- 3) ACH /other EFT payments translation, F-V/V-F currencies

INTER NODAL PAYMENTS

Fig. 900

Fig.1100

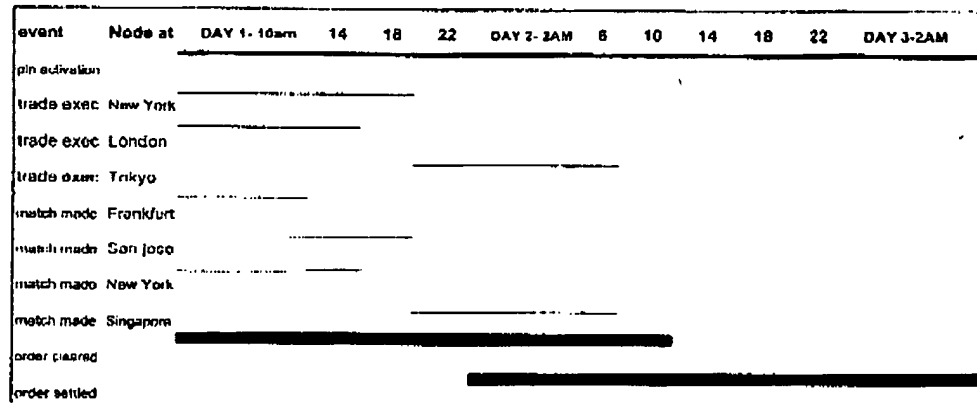
Legend:

Time-1101; Eastern Standard Time- 3: 1102; Est-1102; EST+6: 1103; EST+14: 1104

Time	EST-3	EST	EST+6	EST+14
Location	San Jose	New York	Frankfurt	Hong Kong
Operating	8 am to 3 pm	10 am to 5 pm	10 am to 6 p m	8 am to 4 p m
EST Relative Position	mostly open	open	Partially open	closed

Nodes operating in local time

Fig. 1200



2- day time frame for clearing and settlement

Fig.1400

Choices	Tag no	Field name	content
Mandatory	20	Transaction reference number	16x
Optional	21	Related reference	16x
Mandatory	25	Account identification	35x
Mandatory	28C	Statement no./sequence no.	5n , 5n optional
Mandatory	60a	Opening balance	1!a6!n3!a15d
Optional	61	Statement line	6!n[4!n]2a[1!a]15 d1!a3!c16x[//16x][34x]
Optional	86	Information to account owner	6*65x
Mandatory	62a	Closing balance (booked funds)	1!a6!n3!a15d
Optional	64	Closing available balance	ditto
Optional	65	Forward available balance	1!a6!n3!a15d
Optional	88	Information to account owner	6*65x

S.W.I.F.T format specification for Customer statement message, MT 940

Fig.1400

Choices	Tag no	Field name	content
Mandatory	20	Transaction reference number	16x
Optional	21	Related reference	16x
Mandatory	25	Account identification	35x
Mandatory	28C	Statement no./sequence no.	5n, 5n optional
Mandatory	50a	Opening balance	1!a6!n3!a15d
Optional	61	Statement line	6!n[4!n]2a[1!a]15 d1!a3!c16x[/16x][34x]
Optional	86	Information to account owner	6*65x
Mandatory	62a	Closing balance (booked funds)	1!a6!n3!a15d
Optional	64	Closing available balance	ditto

Optional	85	Forward available balance	1!a6!n3!a15d
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Optional	86	Information to account owner	6*65x
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S.W.I.F.T format specification for Customer statement message, MT 940